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| <b>NWS FORM E-5</b><br>(11-88) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>(PRES. BY WSOM E-41) NATIONAL WEATHER SERVICE                           |  | HYDROLOGIC SERVICE AREA (HSA)<br><br><b>San Angelo, TX</b>  |  |
| <b>MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS</b>   |  | REPORT FOR:<br>MONTH YEAR<br><b>October 2002</b>  |  |
|   |  | SIGNATURE<br><div style="text-align: right;"> <b>Jason Johnson</b><br/>         In Charge of HSA       </div> |  |
| TO: Hydrometeorological Information Center, W/OH2<br>NOAA / National Weather Service<br>1325 East West Highway, Room 7230<br>Silver Spring, MD 20910-3283 |  | DATE<br><br><b>November 15, 2002</b>  |  |

*When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-11).*

[ ] No flood stages were reached in this HSA for the month above.

Cool and wet conditions prevailed over the San Angelo HSA for the month of October.

Our wet weather pattern began around the 6<sup>th</sup> of the month as a cold front moved south across West Central Texas. This frontal boundary combined with a series of strong upper level storm systems and abundant moisture brought generally widespread rainfall over a period of about five days. Flash flooding of low water crossings in southern Sutton County was reported by the Sheriff's office on October 7. Early on the 7<sup>th</sup>, the Sutton County Sheriff's Office performed a water rescue of three people in a motor home. It was reported that the motor home was driven into a low water crossing on a rural road about 15 miles south of Sonora. A border patrol helicopter pulled the three people from out of a window in the top of the motor home. None were injured. Other than this reported mishap, this was a period of beneficial rainfall that helped to moisten the area soils.

The wet pattern continued as numerous storm systems moved from the Southwestern states into the Southern Plains and Texas. These systems interacted with a persistently moist air mass over the region to bring many rounds of showers and thunderstorms with heavy rainfall. On the 18<sup>th</sup>, thunderstorms moved over the Elm Creek drainage basin in central Runnels County, producing rainfall amounts from 4 to 5 inches. Minor flooding occurred on Elm Creek at Ballinger (BAMT2) as the creek level rose to just above flood stage (7 feet). At 7 feet, the city park, swimming pool, and miniature golf course become inundated.

Other flooding problems occurred in the southern sections of West Central Texas. Flash flooding of roads were noted across Kimble, Crockett, Sutton, Irion and Menard Counties. From the 23<sup>rd</sup> through the 26<sup>th</sup>, significant rises were observed on the South Llano River in Kimble County and on the San Saba River in Menard County.

Abilene Regional Airport received 4.37 inches of rainfall in October, which is 1.49 inches above the monthly normal of 2.90 inches. The yearly total is 25.68 inches for Abilene, 4.47 inches above normal. The October rainfall for San Angelo was 4.06 inches. This is 1.49 inches above its normal of 2.57 inches. San Angelo's yearly rainfall is 12.52 inches, which is 6.35 inches below normal.

Despite the generous rainfall over the HSA, the area lakes captured minimal runoff. However, every little drop counts out here and some of the area lakes did see some minor increases to storage and pool levels.

### **Rainfall Totals for October**

| <b>Station Name</b> | <b>Amt<br/>(in)</b> | <b>Station Name</b> | <b>Amt<br/>(in)</b> |
|---------------------|---------------------|---------------------|---------------------|
| Abilene 2           | 5.74                | Menard              | 9.21                |
| Albany              | 6.37                | Ozona 1SSW          | 7.07                |
| Anson               | 6.71                | Putnam              | 6.30                |
| Ballinger 2NW       | 5.19                | Richland Springs    | 5.62                |
| Brady               | 8.27                | Robert Lee          | 5.75                |
| Brownwood           | 5.78                | Roscoe              | 2.64                |
| Burkett             | 5.53                | Rotan               | 6.70                |
| Coleman             | 5.80                | San Saba 7NW        | 4.11                |
| Concho Park         | 3.51                | Silver Valley       | 6.87                |
| Eldorado 12N        | 10.65               | Sonora              | 7.36                |
| Fort Griffin        | 5.68                | Stamford            | 4.91                |
| Fort McKavett       | 7.23                | Sterling City       | 4.13                |
| Funk Ranch          | 6.10                | Sterling 8NE        | 4.40                |
| Glen Cove           | 6.83                | Taylor Ranch        | 3.81                |
| Hamlin              | 5.01                | Telegraph           | 7.05                |
| Haskell             | 5.35                | Throckmorton 7NE    | 5.55                |
| Humble Pump         | 6.78                | Trent               | 5.25                |
| Junction 4SSW       | 4.82                | Water Valley        | 4.99                |
| Lake Abilene        | 5.74                | Water Valley 11NE   | 6.21                |
| Lawn                | 8.72                | Winters             | 6.72                |
| Mason               | 5.23                | Woodson             | 5.34                |

### **Reservoir Levels**

| <b>Reservoir</b> | <b>Conservation<br/>Elevation</b> | <b>Oct. 1<br/>Elevation</b> | <b>Oct. 31<br/>Elevation</b> |
|------------------|-----------------------------------|-----------------------------|------------------------------|
| O.C. Fisher      | 1908.0                            | 1859.5                      | 1859.9                       |
| Twin Buttes      | 1940.2                            | 1887.9                      | 1888.1                       |
| E.V. Spence      | 1899.9                            | 1839.0                      | 1838.9                       |
| O.H. Ivie        | 1551.5                            | 1527.8                      | 1528.4                       |
| Ft. Phantom Hill | 1635.9                            | 1628.7                      | 1629.1                       |

### **Products Issued**

|           |    |                                      |
|-----------|----|--------------------------------------|
| LBBFLWSJT | 1  | (Flood Warnings – River Points)      |
|           | 3  | (Flood Warnings – Areal)             |
| LBBFLSSJT | 1  | (Flood Statements – Forecast Points) |
|           | 5  | (Small Stream Flood Advisory)        |
| LBBRVSSJT | 2  | (Hydrologic Statements)              |
| LBBESFSJT | 1  | (River Flood Outlook)                |
| LBBRVASJT | 31 | (Daily River Summary)                |
| LBBRVDSJT | 31 | (Daily Lake Summary)                 |